

Release Notes X/P Messenger + Listener 5.0.0

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Messenger changes

1.1 improvements

ID	Summary
PXP-2941	Apache Commons Lang library updated
PXP-4270	All meta data created during message processing are stored in database now. So the message can be restored from database without depending on serialization file stored in archive.
PXP-4440	Add-ons/config and addons/adapters are now stored in database separate from Messenger Config and can be updated based on file timestamp, If a new patch is installed, it will update the database.
PXP-4525	When configured REST Endpoint port is not free when Messenger is started an alternative port is searched. Then Messenger starts in "Error-MaintenanceMode" to allow fixing the port configuration. Additionally, the server lifecycle port is no longer required.
PXP-4586	Another messenger node is able to process messages in the OutboundQueue, if the original messenger is incapable of completing the process
PXP-4596	Another messenger node is able to process messages in the InboundQueue, if the original messenger is incapable of completing the process
PXP-4488	WorkFolder of outbound messages are stored in database. This allows all ClusterNodes to process the message.
PXP-4491	WorkFolder of inbound messages are stored in database. This allows all ClusterNodes to process the message.
PXP-4412	Known server certificates are now stored in database while all other related function are working unchanged (e.g. revocation check).
PXP-3756	Schemasets, Envelopers, Add-on configs and adapters are now stored in the database.
PXP-4401	Messenger config now stored in the database.
PXP-4402	License and activation are now stored in database.
PXP-4403	Partner profiles are now stored in the database.
PXP-4404	Agreements are stored in database now. The first messenger startup with an empty table will move all agreement files from config folder into database.
PXP-4406	Keystore is now stored in the database.
PXP-4405	Agreement templates are now stored in the database.

ID	Summary
PXP-4441	Add-ons and config patches are stored in database.
PXP-4560	Partner Remote Maintenance Info is now stored in database.
PXP-4585	Partner certificates are now stored in database.
PXP-4428	The current status of each cluster node is shown in the Messenger-GUI (Monitor → Cluster Status). Messenger only allows instances with a valid cluster mode license to be connected with the same database.
PXP-3758	New GUI page (Monitor → Partner Certificate Status) displays all partner certificates with options for delete, export and navigate to partner.
PXP-4660	Added overview page for known server certificates and corresponding REST interface.
PXP-4431	The ConfigFileZip which can be exported via Messenger-GUI can be imported again. All existing Config entries will be overwritten and Messenger will be restarted afterwards.
PXP-4435	Agreement templates can be viewed, uploaded, changed and deleted in the Messenger-GUI
PXP-4541	Default Adapter is now configurable via Messenger-GUI, SQL queries logging is controllable via JDBC Logging Level.
PXP-4663	HttpAdapters are configurable in Messenger-GUI.
PXP-4613	Adapter API 2 is configurable in Messenger-GUI.
PXP-4658	Pluggable Adapter Configuration files can now be managed via Messenger GUI.
PXP-4411	Config-Export on Messenger-GUI was extended to include all configurations from database and remaining files from config folder.
PXP-4395	Archiving of messages is now done asynchronously after message processing. Archive process is shared over all cluster nodes and it is repeated on temporary errors until the message is archived. The ArchiveStatus for each message is shown in the message monitor.
PXP-4610	The log output in audit log no longer show unnecessary details while navigating through the message monitor or during unsuccessful authentication.
PXP-4670	Removed system properties for trust keystore in wrapper.conf for security reasons
PXP-3755	Adapter receives *Messenger* *instance-id*, *source-IP* and *real-IP* (if HTTP Header exists) additionally with every message via the {{ProcessingDirectives}}.

ID	Summary
PXP-4707	Adapter can register a <code>ConnectionStatusChangedHandler</code> , to get informed, if connection to a <code>MessengerInstance</code> is established/closed.
PXP-4806	Jetty, Spring Security, Spring Boot libraries updated.
PXP-3452	Modified implementation to use Streaming-API to parse xml files to avoid OutOfMemory issue.
PXP-3834	AdapterApi2 can now be implemented as a external websocket archiver.
PXP-3757	GlobalTask are synchronized via database to run only on one cluster node.
PXP-3827	Added option to archive messages in the database: ArchiveType : DATABASE (Messenger Settings → Archive)
PXP-4385	It is now possible to configure many Listener instances for one Messenger instance.
PXP-4400	Setup of Database Connection must be done via <code>*EnvironmentVariables*</code> or via <code>*launcher/conf/wrapper.conf</code> before starting the Messenger*. Changing of Database Connection at runtime is not possible anymore. Details can be found in Messenger “Installation Guide”.
PXP-4570	All “text” columns support unicode characters on all supported databases. Old databases are converted and Messenger checks corresponding database settings and JDBC parameters on each startup.
PXP-4535	Multicast rules for inbound message available as REST-endpoint.
PXP-4684	It is possible to connect multiple Messengers in a cluster to the same Listener without manual config changes.
PXP-4794	Improved input queue performance with restoration of <code>InboundMessage</code> in parallel tasks
PXP-4727	Messenger release now includes new PONTON X/P root certificate, which will be installed on startup if not available (migration).
PXP-4769	Whole user management is stored and handled in Database, including possibility to reset admin password if no other admin user exists
PXP-4882	Cache size of agreements and profiles are configurable in <code>wrapper.conf</code>
PXP-4838	After a new Messenger release version, the old and the new Messenger documentation is getting compared and saved under <code>REST-api-changes-pdf</code> .
PXP-4911	Inbound/Outbound Queue size is logged in INFO every 60 seconds

1.2 bugfixes

ID	Summary
PXP-4398	Existing Message-FileRefs with unexpected FileType lead to UniqueKeyViolation
PXP-4455	BDEW certificate request dialog is closed before any response is received
PXP-4823	Resending outbound messages from Message Monitor did not provide error details.
PXP-4848	Partner certificate for certificate request older than 10 days could not be installed.
PXP-3810	Unwanted switching of page after sorting was fixed.
PXP-4339	Could not send messages over Adapter API 2 when temp and work folder were not on the same filesystem.
PXP-4500	The password validation was fixed, to allow all defined special characters properly.
PXP-4502	Setting permissions with handling of authentication in local storage was stabilized.
PXP-4505	Messages can only be seen if adapter is whitelisted.
PXP-4508	Set status of message to failed if the item in the queue cannot be processed successfully.
PXP-4509	Last Message-Monitor search result is not deleted on logout.
PXP-4646	The Remote Partner filter dropdown box on Message Monitor contained also local partners.
PXP-4667	Inbound queue notification retry property was unused and was removed from Messenger Config.
PXP-4705	When a PrivateKey of a partner is exported, the whole certificate chain is added, always.
PXP-4713	AS4 Error Signal can be processed when MessageRef is not set.
PXP-4740	Messenger activation was always possible regardless of SSL server certificate, SSL certificate issuer or SSL certificate revocation status.
PXP-4743	TLS server certificate was revoked forever if the CA server is unavailable for more than three days.
PXP-4795	Long hotfolder paths from config file could be loaded and used, but not updated in GUI.

ID	Summary
PXP-4839	Ensured users only having the roles _ROLE_user_admin_settings_view and ROLE_user_admin_settings_edit_ can adjust users and user roles.
PXP-4863	AS4 ACKs with non-matching agreement settings caused Messenger freeze.
PXP-4886	Automatic certificate switch was choosing incorrect certificate.
PXP-4904	Adapter API 2 now verifies if connection is open.
PXP-4373	Enhanced handling of exceptions while processing outgoing files by the HotFolder Adapter. In case of OutOfMemoryError this would lead to an automatic restart of the Messenger.
PXP-4842	Hotfolder Adapter ID in GUI only allowed 50 characters.

1.3 known issues

ID	Summary

2 Listener changes

2.1 bugfixes

ID	Summary
PXP-4806	Apache FtpServer Core library updated.

2.2 improvements

ID	Summary
PXP-4687	The Listener no longer signals a successful transmission to the sender on connection loss between Listener and Messenger.
PXP-4528	The configuration of Listener is stored in Messenger database now. A new installed Listener, is initialized by Messenger automatically.

2.3 known issues

ID	Summary

3 Downloads

3.1 Download links of Messenger version 5.0.0

full distribution 5.0 with JRE 21.0.5 (Windows):

<https://www.ponton.de/downloads/xp/5.0.0/PontonXP-Messenger-5.0.0-Windows.zip>

full distribution 5.0 with JRE 21.0.5 (Linux):

<https://www.ponton.de/downloads/xp/5.0.0/PontonXP-Messenger-5.0.0-Linux.zip>

3.2 Download link for AS4 BDEW Config Patch

Only relevant for clients with AS4 BDEW license for German Market Communication Power and Gas.

- Please download the current AS4 BDEW Config Patch:
<https://www.ponton.de/downloads/xp/bdew/AS4-BDEW-Config-Patch-XP460.zip>
- Install the AS4 BDEW Config Patch (see MessengerDocumentation5_0_0.pdf, chapter: AS4-BDEW at a glance)
- Update the partner configuration of all partners to support new or updated schemasets
- Recreate (delete / create new) agreements to update communication settings

3.3 Download link to Messenger Adapter API 1.0

optional Adapter API 1.0 extension:

<https://www.ponton.de/downloads/xp/5.0.0/PontonXP-AdapterAPI-5.0.0.zip>

This extension is only needed if an external Adapter is used, which communicates with the Messenger through the Adapter API 1.0.

Installation: Copy the included file pontonxp-adapterapi.jar to <PONTONXP_INSTALL_DIR>/lib and restart the Messenger.

3.4 Download links of Listener version 5.0.0

full distribution 5.0.0 with JRE 21.0.5 (Windows):

<https://www.ponton.de/downloads/xp/5.0.0/PontonXP-Listener-5.0.0-Windows.zip>

full distribution 5.0.0 with JRE 21.0.5 (Linux):

<https://www.ponton.de/downloads/xp/5.0.0/PontonXP-Listener-5.0.0-Linux.zip>

3.5 Database Update tool

new commands were added in the Database Update tool:

command	Description
list activations	Lists all activation records from messenger database.

command	Description
deleteActivation <i>#instanceAlias#</i>	Deletes the activation record, defined by given instanceId, to allow startup of messenger with a license without enabled ClusterMode.
resetAdminAccount	Resets the 'xpadmin' account to factory settings. If user does not exist, it will be created.

more details on usage are found in chapter 22.3.6. Manual database setup/update here:

https://www.ponton.de/downloads/xp/5.0.0/documents/MessengerDocumentation5_0_0.pdf

3.6 REST-API Changes

Please find a list of all Rest-API changes compared to version 4.6.x here:

https://www.ponton.de/downloads/xp/5.0.0/documents/REST_API_changes5_0_0.pdf

4 Migration

It is absolutely crucial that you ensure that your message queue is empty (no messages in transit) before you update your Messenger.

4.1 Updating a Messenger version 4.6.x to 5.0.0

A detailed guide for upgrading can be found

here: https://www.ponton.de/downloads/xp/5.0.0/documents/MigrationGuide5_0_0.pdf

Important: If a Listener is used with the Messenger, then the Listener has to be updated as well, so that both versions are the same.

For migrating existing configuration from an earlier messenger version (> 3.1 and < 4.6) please migrate to version 4.6. (see 'Config Migration (older versions) > Messenger Version < 3.1', 'Messenger Version 3.1 - 3.6' and 'Messenger Version 3.7 - 3.11') before migrating further to the latest messenger version.

4.2 Updating a Listener version 3.2.x and later to 5.0.0

1. stop the Listener
2. create a backup copy of the current Listener folder
3. delete everything from the current Listener folder
4. extract the Listener distribution zip to the Listener folder
5. copy the config folder of the backup into the Listener folder (overwriting the default files)
6. delete authorization.txt in the config folder, because Messenger 5.0.0 uses a new identification when connecting to the Listener.
7. start the Listener

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